technical manual for

800 FATHOMS



INSTALLATION AND STARTING INSTRUCTIONS

Check carton for any damage that may have occurred during shipment. If any damage is noticed, contact the freight carrier for claim purposes. External damage could indicate damage to the cabinet and the internal components of the game. If no damage is noticed, remove the carton from the game.

Remove keys that have been secured to the top of the cabinet and open the cash box door. In the cash box you will find a set of leg levelers. Screw the levelers into the receivers at the bottom of the cabinet.

Unlock the rear door and remove the power cord from the bottom of the game. Check for any loose plugs or wires. The game was thoroughly tested at the factory, but vibration during shipment could cause the plugs to come apart. Plug the game into any 110V AC outlet and then pull the white button of the safety switch out. This will give power to the game. If the game does not go on, check the on/off switch just below the power cord notch. If you wish to use the game for 220V AC, remove the plug that is marked 110V from the transformer and replace with the plug with the 220V label.

The fuses that come with the game are 3 Amp Slow Blow. If you are going to use 220V AC, change them to $1\frac{1}{2}$ Amp Slow Blow.

All games shipped from U. S. Billiards are set for 110V AC with 3 Amp fuses.

MAINTENANCE

The CRT used in our games is like those employed on regular television sets. Therefore, please handle with care so as not to damage it.

- . Do not set up the game in open and very lighted areas, as the quality of image would be greatly reduced.
- . Do not set up the game close to heating sources and keep it 6 inches from the back wall.
- . If, when the game is on, no image appears on the screen, check power supply fuses and if connectors are properly connected.
- . If the screen is lit up but there is no image, check that C.P.U. board connectors are properly connected.
- . If the image slowly moves toward the side, it can be caused by a close magnet or by a transformer which might cause strong wavinesses.

If the game is rotated with power on, the image on the screen may change color. This is caused by the earth's magnetic field. To establish proper colors again, turn off the game for at least 5 minutes and then turn it on again.

F.C.C. NOTES

This equipment has not been tested to show compliance with new F.C.C. rules. Paragraph J of Part 15 of the F.C.C. rules is designed to provide reasonable protection against radio communication interference. The operation of this equipment may cause interference, in which case, the user will be required to take whatever steps are necessary to correct the interference.

PARTS LIST - 800 FATHOMS

Part #	Description
General Parts	
521 519 335 338 7002 11700 11701 11854 11855 11856 11857 11707 11708 11858 11858 11859 11860 2949 11772	Coin Chute (25¢) Coin Switch Dutch Cash Door, Frame with Cash Box Cash Box Only for Dutch Cash Door Leg Leveler - each Back Service Door Speaker Grill - 6"x9" TV Monitor Cardboard Mask - 800 Fathoms TV Monitor Cardboard Side Panel - Right - 800 Fathoms TV Monitor Cardboard Side Panel - Left - 800 Fathoms Plastic Header Screened - 800 Fathoms Front Plastic Window - 23½x17½x3/16" Frame for Front Plastic Window Decal, Side - Right - 800 Fathoms Instruction Manual (800 Fathoms) "Caution High Voltage" Label Warning Label
METAL PARTS	
11861 11862 11863 11819 11716 11820	Control Panel complete with buttons (800 Fathoms) Control Panel with graphics without buttons (800 Fathoms) Graphics alone for Control Panel (800 Fathoms) California Switch Bracket Header Holding Spring Meter Bracket
TRIM	
11719 11720 11721	Black T-Moulding for one side - 128" Aluminum Trim - 24" Black T-Moulding - 24"
LOCKS	
1486 1487	Random Lock with Key & Hardware #1150 Lock with Key & Hardware
HARDWARE	
11761 1296	Pal Nut for Push Button Switch 3/18-16" T-Nut Pronged (for Leg Leveler)
ELECTRICAL PARTS	
11853 11724 11725 11726	Complete Game Board (800 Fathoms) Bulb for Coin Chute - 63V Red Push Button Assembly (Fire) White Push Button Assembly (Player 1, Player 2)

PARTS LIST - 800 FATHOMS (continued)

Part # Description

ELECTRICAL PARTS (continued)

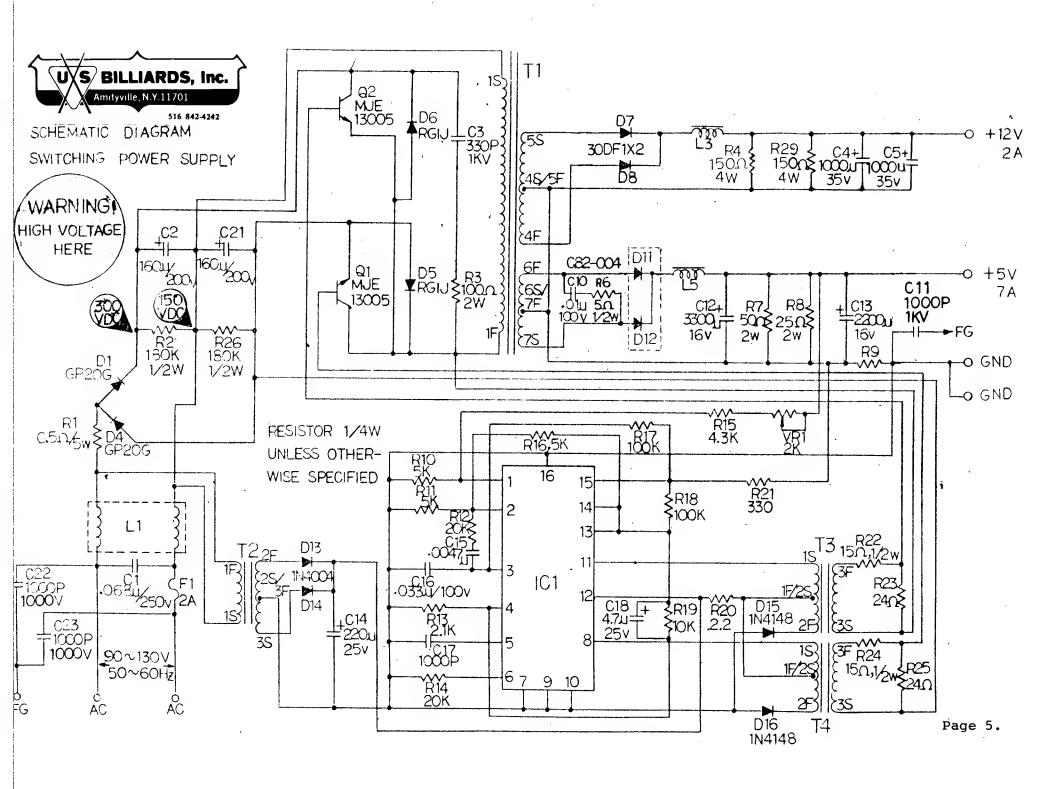
11728 11729 11801 11828 11829 11830 11831 11832 11802 11731 11864 11811 11759 11851 11827 10110 10111 2356 10529	Leaf Switch for Push Buttons & Holder Assembly Holder for Push Buttons Joystick Complete Joystick Handle Alone Joystick Round Spacer Alone Joystick Grey Actuator Alone Joystick Retainer Clip Alone Joystick Leaf Switch Alone Color Monitor Speaker - 6"x9" Power Supply Complete (+12V,+5V) Transformer Group Complete with Connectors California Switch - B5050 Wiring Harness Complete 110V-220V Reversal Harness Alone Fluorescent Fixture Fluorescent Bulb 6V DC Counter Triple Outlet

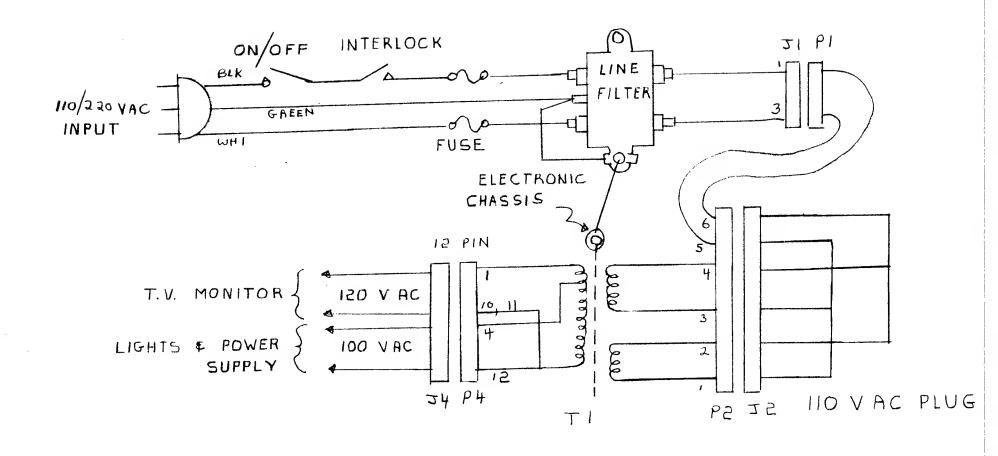
************* * 800 FATHOMS * **********

FUNCTION OF THE DIP SWITCH

	SWITCH #	2		3		4	5	6
	GAME PRICING 1 Coin/1 Play 1 Coin/2 Credit 1 Coin/3 Credit 1 Coin/4 Credit # OF SUBMARINES 4 5 Infinite CONFIGURATION Upright Cocktail	ON OFF ON OFF		ON ON OFF OFF		ON OFF	ON OFF ON OFF	ON ON OFF
1			!		,			1

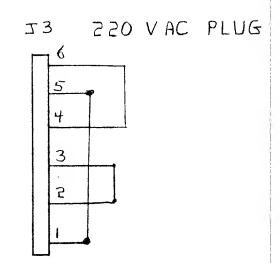
SWITCHES 1,7 % 8 ARE NOT USED

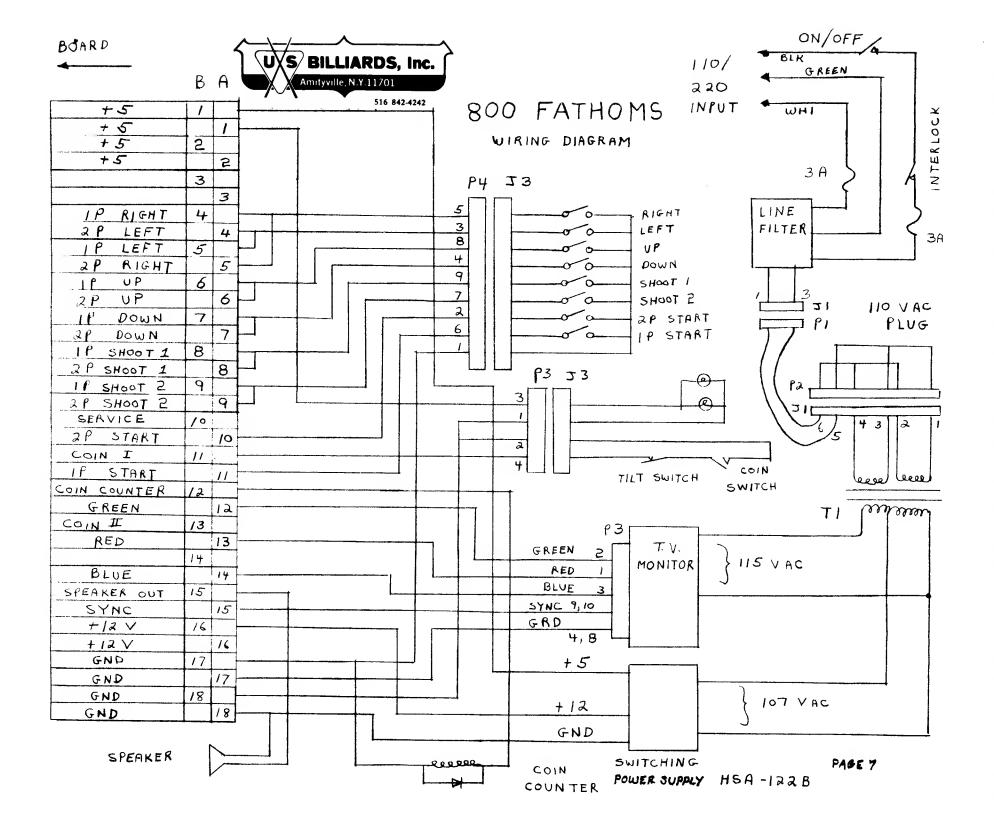


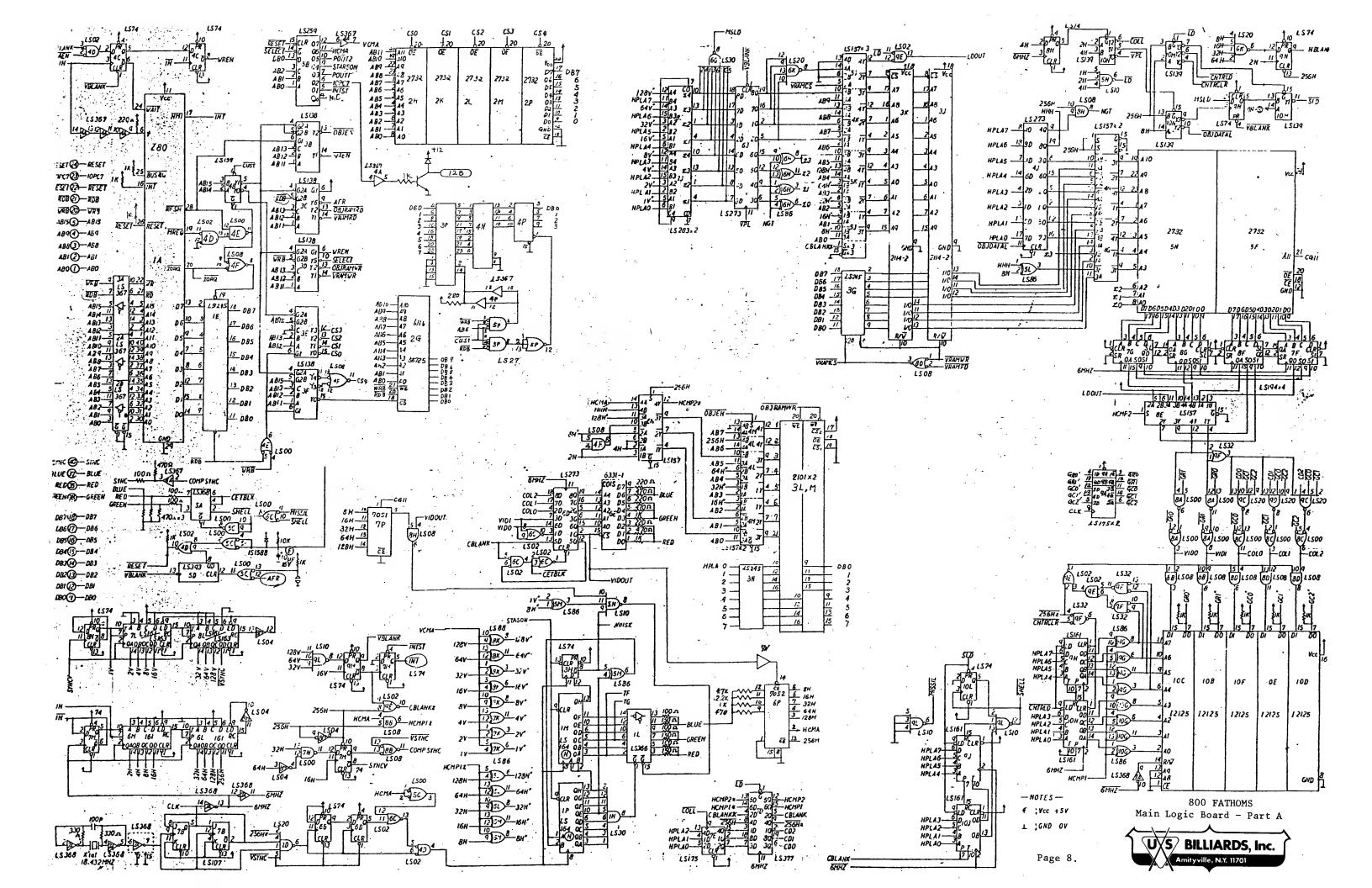




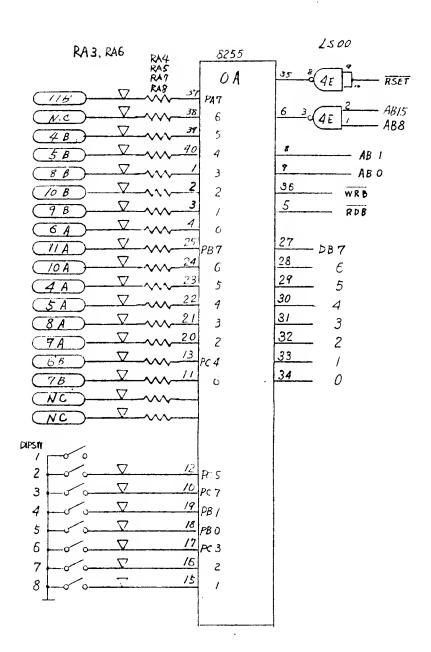
120/220 POWER INTERLOCK 8/31/81

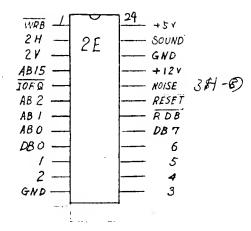


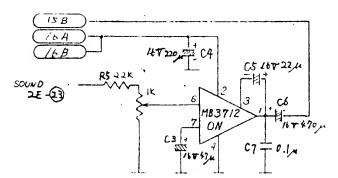




800 FATHOMS Main Logic Board - Part B









Page 9.

